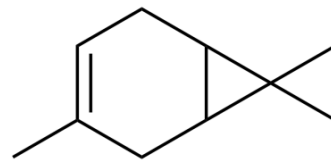


3-Carene

Cat. No.:	HY-N6663
CAS No.:	13466-78-9
Molecular Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

3-Carene is a bicyclic monoterpene in essential oils extracted from pine trees. 3-Carene inhibits nociceptive stimulus-induced inflammatory infiltrates and COX-2 overexpression, and with antinociceptive effect. 3-Carene stimulates the activity and expression of alkaline phosphatase that is an early phase marker of osteoblastic differentiation^{[1][2]}.

REFERENCES

[1]. Huang XL, et al. Anti-inflammatory and antinociceptive effects of active ingredients in the essential oils from *Gynura procumbens*, a traditional medicine and a new and popular food material. *J Ethnopharmacol.* 2019 Jul 15;239:111916.

[2]. Jeong JG, et al. Low concentration of 3-carene stimulates the differentiation of mouse osteoblastic MC3T3-E1 subclone 4 cells. *Phytother Res.* 2008 Jan;22(1):18-22.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA